

	10	20	30	40	50	60
Hum PPPPB	PPPCRVAKLPKNN	RNRYRVSPPDHISRTKIAQF				DN
Hum PPcPPp	DYDHRVAKFPENRI	RNRYRVSPPYDHISRV IAJNA				EN
Hum PPP zI D1	GI'PADSSNHPDHKH	KNRY INI VAYDHISRVKIAQI,				AEK
Hum PPP zcIa D1	GI'PADSSNHPDHKH	KNRY INI VAYDHISRVKIAQI,				AEK
Hum PPP gamma D	GI'PADSSNHPDHKH	KNRY INI VAYDHISRVKIAQI,				PGK
Dcoz PPPgA D1	DI'PELHSHHPDHKH	KNRY INI VAYDHISRVKIAQI,				PGQ
Hum LcA D1	DI'PELHSHHPDHKH	KNRY INI VAYDHISRVKIAQI,				DGV
Hum PPP mu D1	Q'PWENSHHPDHKH	KNRY INI VAYDHISRVKIAQI,				EGV
Hum PPP aI'pba D1	SAPPEAKKIDFIRM	KNRY ANV IAYDHISRV IATS I				EGV
Hum PPP opai'lon D	QATC'FAASKEEKE	KNRY ANV IAYDHISRV IATS I				DGI
Moaszo C'p'p D1	OGTPELANKKEEKE	KNRY ANV IAYDHISRV IATS I				NGD
Hum zH PPP2	KI'PIKIDARKPHON	KNRY ANV IAYDHISRV IATS I				DPN
Hum zH PPP1	IYSRKEGROEIKH	KNRY ANV IAYDHISRV IATS I				DGN
Hum PPP lola	IAORLEGROEIKH	KNRY ANV IAYDHISRV IATS I				DID
Dcoz PPP10D	NQSC'CI'AL'EPHRC	KNRY ANV IAYDHISRV IATS I				DID
Hum SAp' I	IQPC'CI'AL'EPHRC	KNRY ANV IAYDHISRV IATS I				HEE
Kcl PPP SPPp	SQSC'QMAVASAPHNA	KNRY ANV IAYDHISRV IATS I				DDE
Dcoz PPPgA D1	PVDPKE'YDIPGLVR	KNRY ANV IAYDHISRV IATS I				NGH
Hum M332	DRT'PKNSHILKEHAC	KNRY ANV IAYDHISRV IATS I				SGH
Hum PPP PESTp	VCTTHC'PMS'P'GME	KNRY ANV IAYDHISRV IATS I				EDY
Hum PPPH	IY'LTATGKEKEHVK	KNRY ANV IAYDHISRV IATS I				QDK
Diccl PPP1	CHAI'ITPAKIPQNH	KNRY ANV IAYDHISRV IATS I				SGS
P'baz Yeacul PPP1	P'HEP'ERADKKHUT	KNRY ANV IAYDHISRV IATS I				KGC
P'baz Yeacul PPP2	QWSTVDSH'ENTSYK	KNRY ANV IAYDHISRV IATS I				AEK
Hum PPP zI D2	WCT'LAHSHRTT'ER	KNRY ANV IAYDHISRV IATS I				RGV
Hum lCA D2	GI'PADSSNHPDHKH	KNRY ANV IAYDHISRV IATS I				RGE
Hum PPP aI'pba D2	TSRP'FSAHLL'CNKP	KNRY ANV IAYDHISRV IATS I				RQD
Hum PPP opai'lon D2	HDKMRITGNL'PANMK	KNRY ANV IAYDHISRV IATS I				DGE
Hum PPP mu D2	VEDC'G'IAL'PRHHR	KNRY ANV IAYDHISRV IATS I				DSD
Moaszo C'p'p D2	WRTO'G'IAL'PRHHR	KNRY ANV IAYDHISRV IATS I				DMR
Dcoz PPPgA D2	SKSC'SVAGNEENHM	KNRY ANV IAYDHISRV IATS I				SGE
Hum PPP zcIa D2	QSDVSAALAKQCNRE	KNRY ANV IAYDHISRV IATS I				PGM
Hum PPP gamma D2	VEDC'PSAQKECNKE	KNRY ANV IAYDHISRV IATS I				
Dcoz PPPgA PPP	ETNLMAEQVLELKNR	KNRY ANV IAYDHISRV IATS I				
PPP'bazcI'no.	TNDRY'LOACALGEEK I	KNRY ANV IAYDHISRV IATS I				
	30	40	50	60		

FIG. 1A

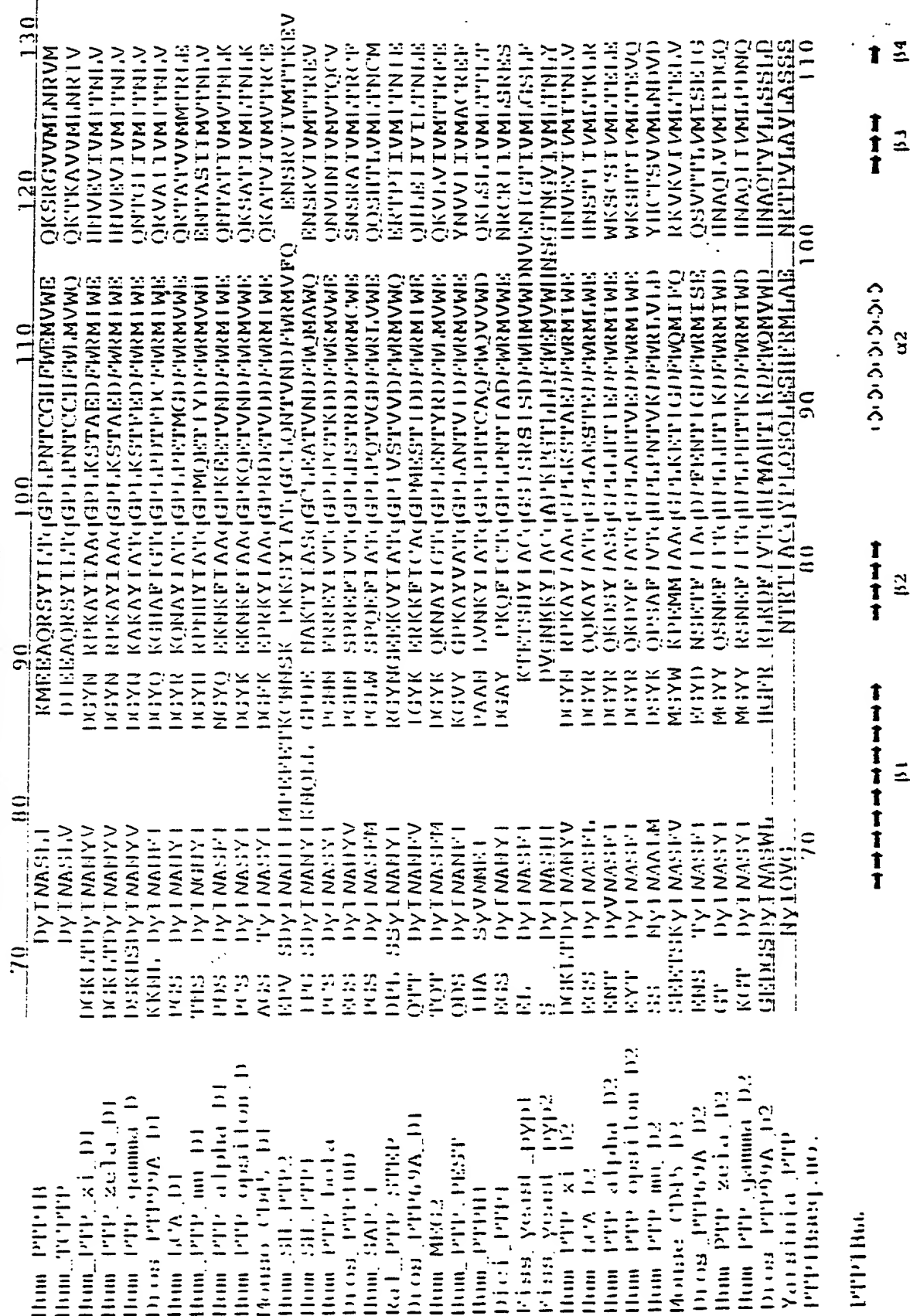


FIG. 1B

[illegible]

ET. 1E

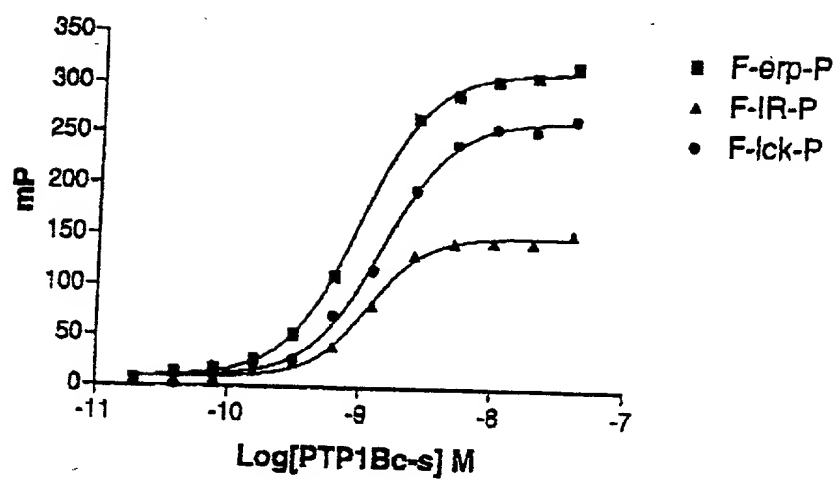


FIGURE 2

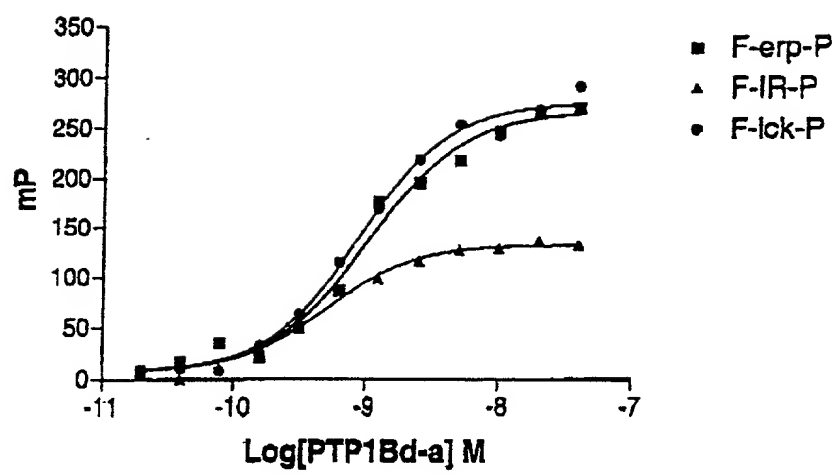
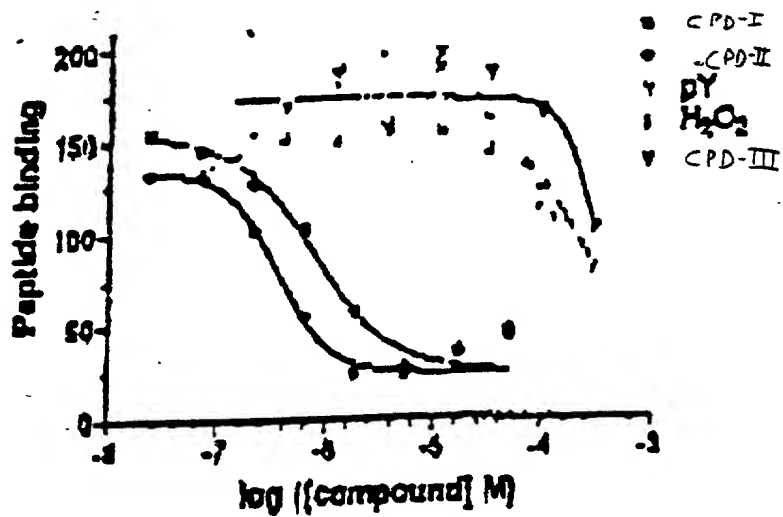


FIGURE 3

4A



4B

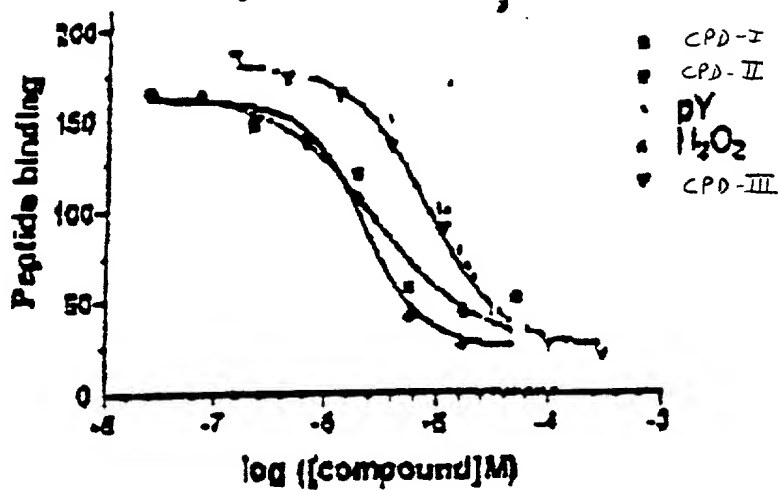


FIGURE 4A-B

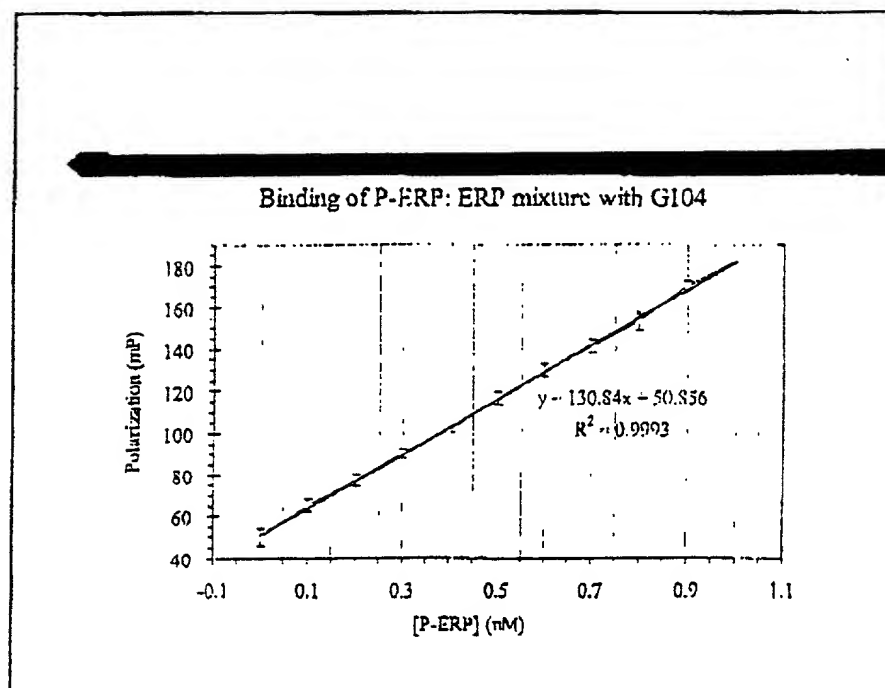


FIGURE 5

Dephosphorylation of F-P-ERP with different amounts of PTP1B

Amount of substrate remaining (mM)

Reaction Time (min)

max conc

F-erp

- 0.67ng Ptp1B
- 0.33ng Ptp1B
- 0.17ng Ptp1B
- 0.083ng Ptp1B

1

FIGURE 7A-7D

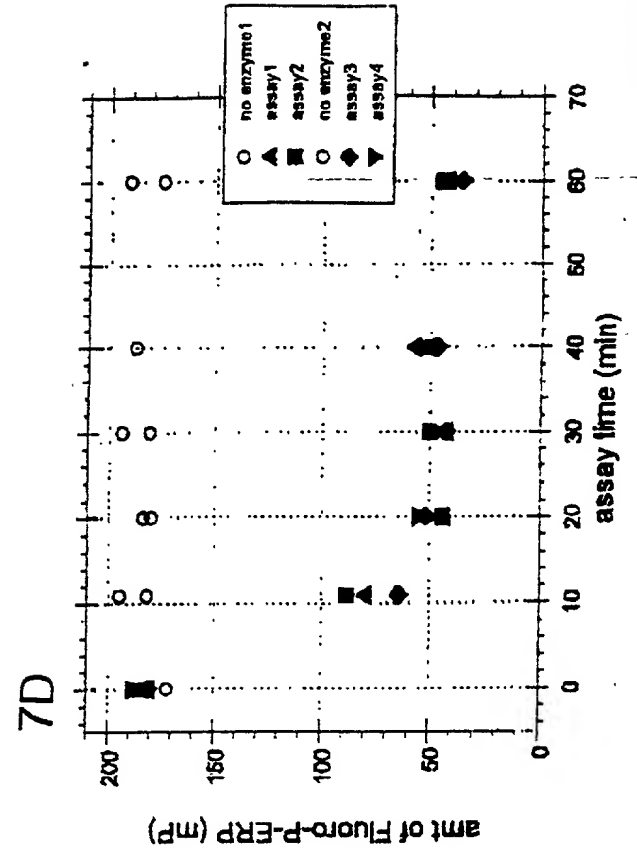
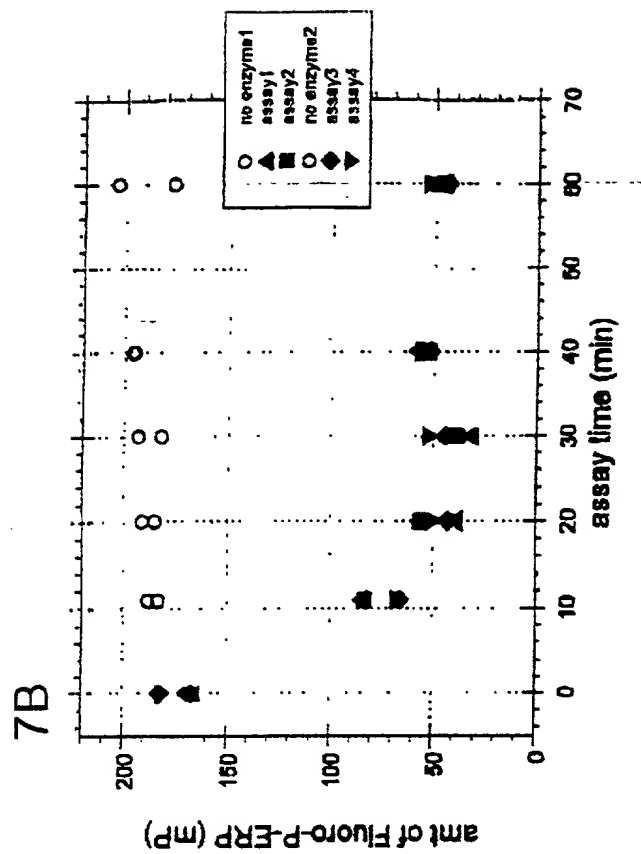
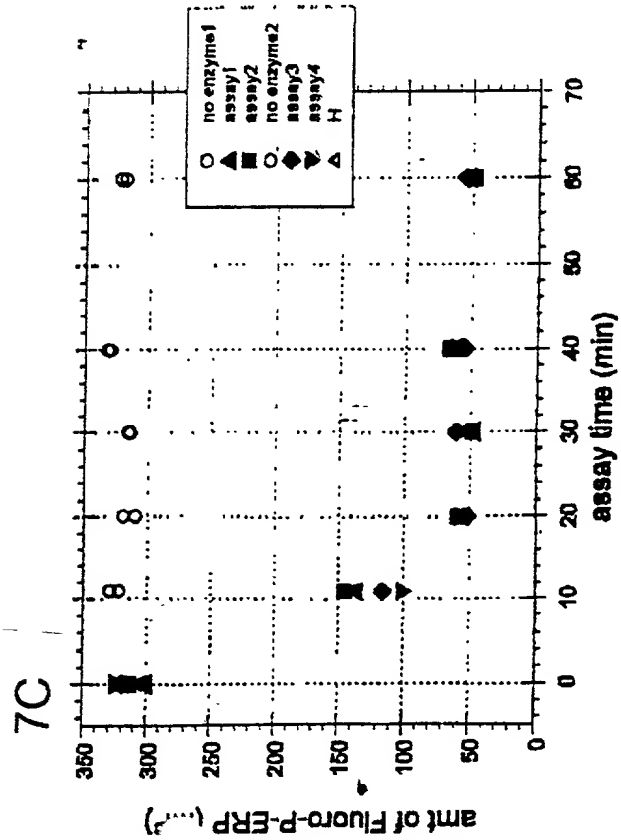
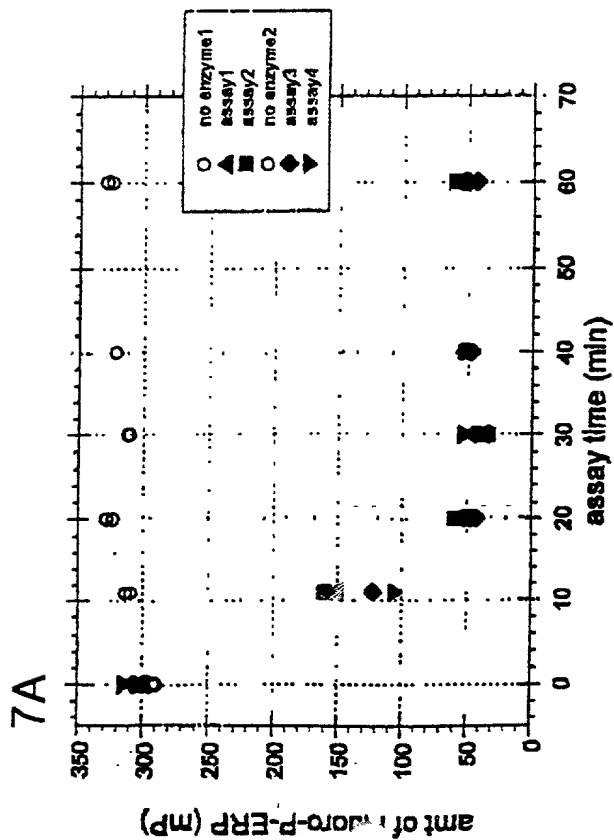
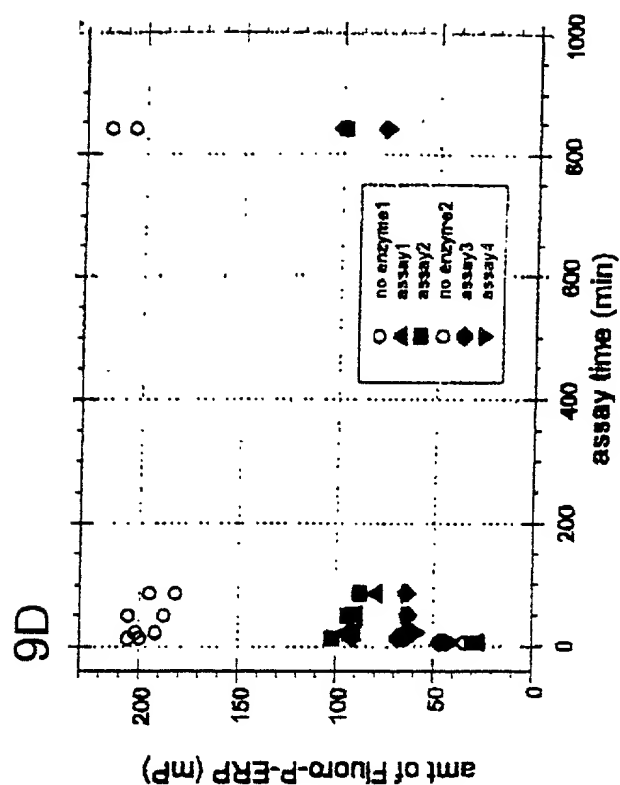
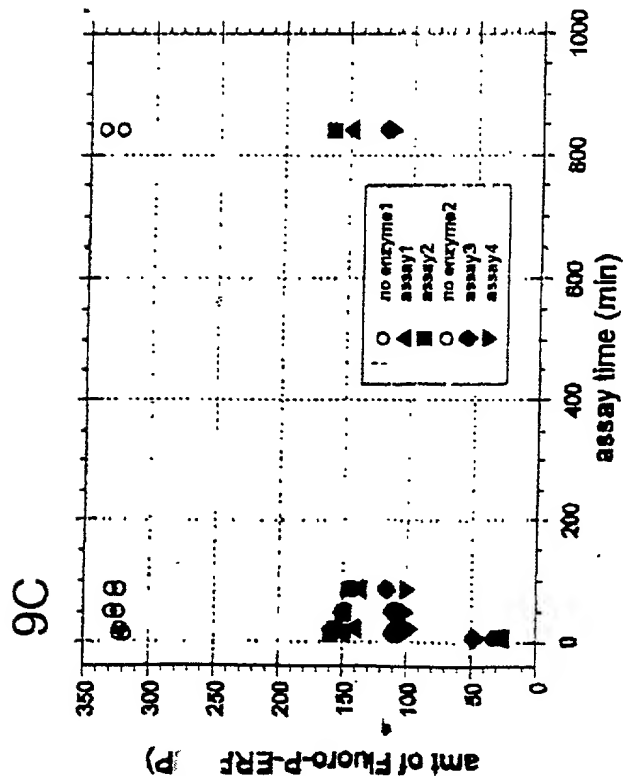
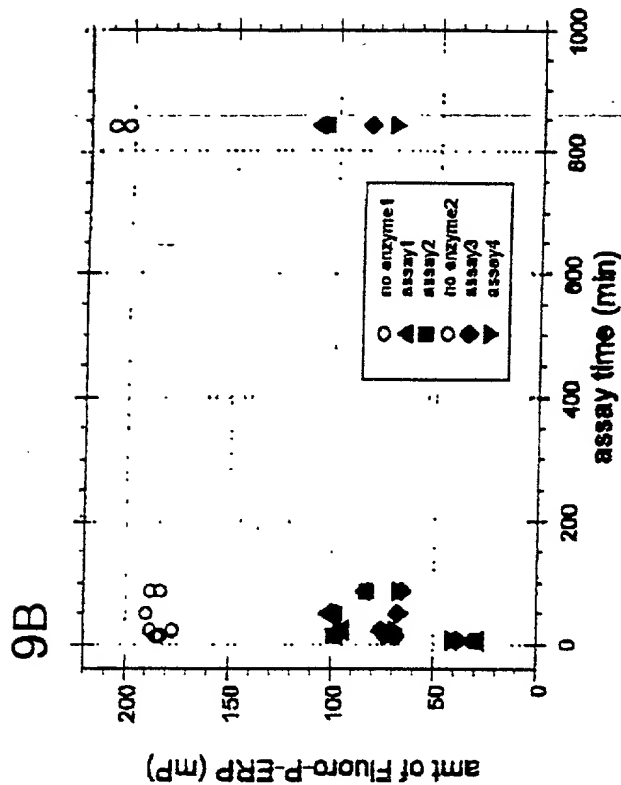
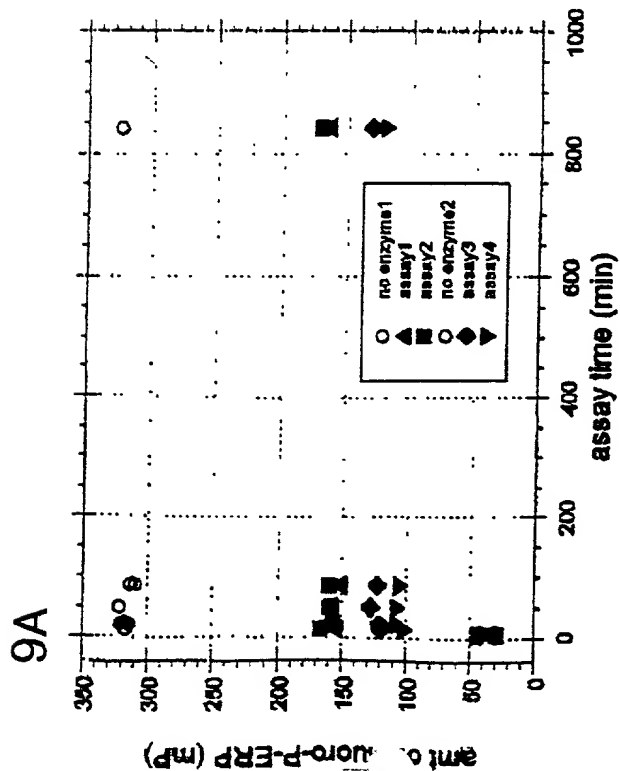
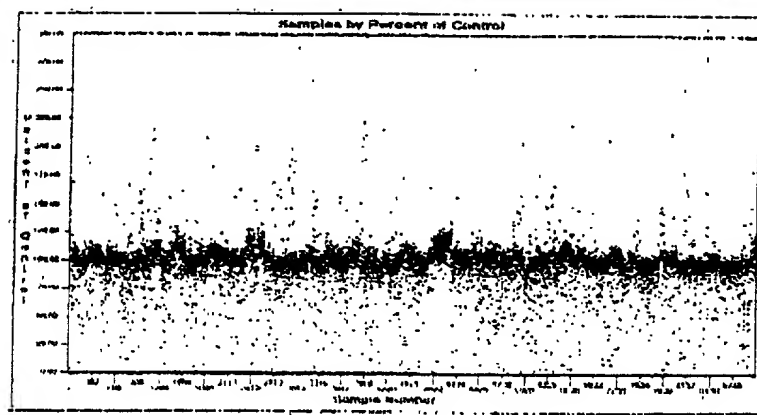


FIGURE 9A-9D

TABLE 9A-9D



10A



10B

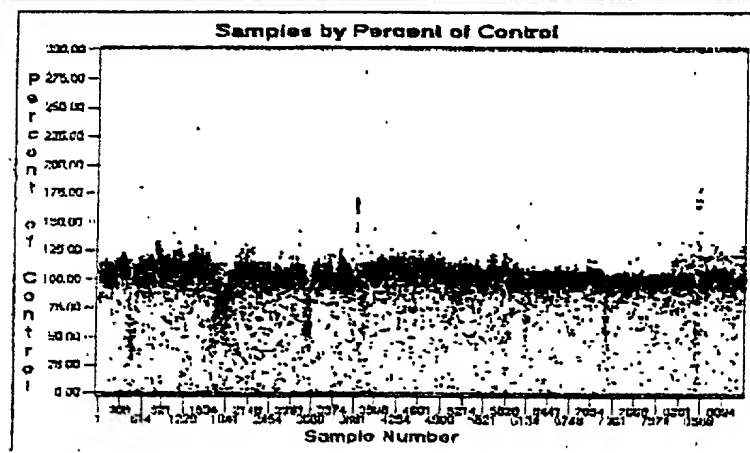


FIGURE 10A-B